Arts, A/V Technology & Communications Career Cluster
Pre-Tech Foundation Program
(CIP: PTF03)

Competencies

A. Think Critically and Solve Problems
   (Vermont Standards 1.1, *1.13,* 1.14, 2.7, 3.14, *5.6, 5.15, 5.23, 5.24)*
   1. Solve problems and make decisions in work-related situations
   2. Read for information and understanding
   3. Use observation skills to analyze work-related situations
   4. Apply measurement and spatial skills
   5. Analyze critical data to guide work activities
   6. Utilize scheduling techniques to ensure that jobs are completed by the stated due date

B. Apply Technology
   (Vermont Standards 1.18, 1.19, 1.20, 1.21, 7.19)
   1. Demonstrate technological literacy
   2. Access/transmit information using electronic communication systems
   3. Demonstrate computer literacy
   4. Use a variety of software and hardware in work-related situations

C. Communicate Effectively
   (Vermont Standards 1.6, 1.15, 3.10, 5.6, 5.23)
   1. Apply basic communication skills
   2. Apply oral communication skills
   3. Apply written communication skills
   4. Apply technical writing skills
   5. Apply listening skills
   6. Apply demonstration/presentation skills
   7. Apply graphic communication skills
   8. Apply artistic communication skills
   9. Convey information through a variety of media
   10. Build interpersonal relationships

D. Manage Resources
   (Vermont Standards 1.18, 1.19, 1.21, 2.14, 3.3, 3.8, 7.18)
   1. Apply self-management processes in the workplace
   2. Use reference materials to obtain information
   3. Implement safety procedures and programs
   4. Determine resources needed to produce a given product or provide a given service
   5. Ensure the quality of products and services
   6. Utilize an inventory control system to track supplies, materials, and equipment
   7. Make informed financial decisions, e.g. to estimate project costs

E. Work Effectively and Responsibly
   (Vermont Standards 2.8, 2.9, 3.1, 3.3, 3.10, 3.11, 3.13, 3.14, 4.2, 4.4)

1. Demonstrate leadership
2. Demonstrate ability to work as part of a team
3. Demonstrate responsibility for learning
4. Choose ethical courses of action in all work assignments
5. Demonstrate a work ethic
6. Comply with the requirements of workplace policies and procedures
7. Apply appropriate strategies for dealing with the differences associated with diversity

F. Demonstrate Employability
   (Vermont Standards 3.14, 3.15, 3.16, 3.10)
   1. Identify how personal interests, abilities and skills relate to choosing a career
   2. Investigate career options
   3. Chart career using career-planning skills
   4. Demonstrate job-keeping skills
   5. Upgrade career skills

G. Demonstrate an Understanding of Academic Connections to Core Pre-Tech Foundational Competencies (CPFC)
   This course would satisfy a fine arts credit, based on its emphasis on competencies in the following Academic Areas of the Vermont Frameworks:
   5.4   Aesthetic Judgment
   5.6   Critique and Revision
   5.14   Responding to Media
   5.15   Design and Production
   5.24   Artistic Problem Solving
   5.28   Artistic Proficiency
   5.29, 5.30   Visual Arts
   5.33, 5.34   Theater

H. Demonstrate an Understanding of a Chosen Career Cluster that the Individual is Preparing to Enter
   (Vermont Standards 1.5, 1.13, 1.15, 1.16, 2.8, 2.9, 3.1, 3.2, 3.10, 3.11, 3.14, 3.15, 3.16)
   1. Workplace behaviors, skills and personal and professional development:
         Maintain an acceptable attendance record
         Work well independently, showing pride and interest in work assignments
         Demonstrate aptitude for creativity
         Plan and perform work accurately, neatly and efficiently
         Show personal growth as a worker, evaluating own work
         Follow directions from supervisors and are willing to ask questions for
                                   clarification
         Develop good oral and written communication skills
         Cooperate with co-workers and supervisors
         Demonstrate teamwork as a contributing team member
         Demonstrates positive attitude toward work
   2. Identify common occupations found within the career cluster
   3. Develop personal career goals

4. A school-to-work experience in the chosen career cluster

I. Demonstrate Technical Skills within a Chosen Career Cluster
(Vermont Standards 5.4, 5.6, 5.14, 5.15, 5.24, 5.28, 5.29, 5.30, 5.33, 5.34)
1. Basic Design and Design Conventions
Design and create media
Use the elements of two-dimensional and three-dimensional design
Apply basic freehand sketching techniques
Estimate proportions using proper sketching techniques
Visualize and sketch objects using multi-view projection
Solve visual, spatial, and kinesthetic problems
2. Effective Presentation
Learn to critique own and others' work
Use a variety of art forms to communicate
Form aesthetic judgment
3. Technical Knowledge
Learn to use a variety of graphic design and video media software
Learn to use a variety of equipment used in graphic design and video media
Be familiar with principles of technology
Apply principles of technology
4. Technical Mathematics
Demonstrate proficiency in technical application of calculations, including measurements, whole numbers, fractional and decimal operations, angular and linear problems.